

# Ram Patil

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## Education

### California State University, Sacramento

Aug. 2023 – May 2025

*Masters in Computer Science*

GPA: 3.6/4

• **Relevant courses:** CSC 206 Algorithms and Paradigms, CSC 205 Computer System Structure, CSC 254 Cryptography

### Pune University, India

Aug. 2019 – June 2023

*Bachelor of Engineering in Computer Engineering, India*

GPA: 8.3/10

## Projects

### Netflix-GPT / React.js, Redux Toolkit, Tailwind CSS, Firebase, Open AI

[Link](#)

- Implemented OPENAI's GPT 3.5 turbo APIs boosting user engagement 30% and reducing search times to 5 seconds.
- Incorporated Firebase for smooth user authentication with 100% success rate and managed app states with redux.
- Fetched movie details dynamically from TMDB API (ratings 0-10) providing instant access to data for 5000+ titles.
- Implemented custom hooks, lazy loading and optimization techniques which reduced the code size by 25%.

### FoodHunt-Online Food Delivery Application / Reactjs, TailwindCSS, Redux

[Link](#)

- This is a responsive food delivery web application featuring food restaurants & real-time menu via Swiggy API
- Empowered users with reliable food restaurant data by improving user satisfaction and reduced loading times by 20%.
- Leveraged Tailwind CSS for seamless cross-device experience, streamlining UI & improving user engagement.

### LeetCode Clone / Nextjs, Reactjs, Typescript, Tailwind CSS, Firebase

[Link](#)

- Developed a LeetCode clone web application using React.js, Next.js, TypeScript, Tailwind CSS, and Firebase, replicating the platform's coding challenges and user interface.
- Implemented user authentication, real-time data synchronization, and serverless backend functionalities with Firebase, ensuring a seamless and secure user experience.
- Utilized TypeScript for efficient problem-solving, showcasing strong algorithmic skills through LeetCode challenges integrated into the application.

### Sorting Visualizer / HTML, CSS, Javascript

[Link](#)

- Implemented a web application to visualize different types of sorting algorithm such as Insertion, Bubble, Selection sort.
- Designed an intuitive user interface with HTML and CSS, allowing users to visualize the sorting process in real-time, enhancing understanding and learning.
- Implemented sorting algorithms in JavaScript, providing interactive controls for users to customize array size, speed, and algorithm selection, facilitating hands-on learning and experimentation.

## Experience

### Information Resources and Technology, CSUS /Student Assistant

Jan 2024 – Present

- Provided support for IT projects and initiatives, such as software upgrades, system migrations, and infrastructure improvements, by performing tasks such as data migration, testing software compatibility, and documenting procedures
- Deliver excellent customer service by promptly responding to inquiries, resolving technical issues effectively, and ensuring a positive experience for all users.

### Dr Ajeenkya D Y Patil School of Engineering / Software Developer Intern

Aug 2022 – Nov 2022

- Built a website using Django & Reactjs for the college's learning management system that converts notes to quiz.
- Optimized website performance by **30%** by building reusable components in Reactjs and a storage system using Redux.

### M-Softs Development, India / Software Developer Intern

Dec 2021 – Feb 2022

- Provided expert guidance and solutions to the doubts of 300+ Computer science students from all over the globe.
- Operated a chat-based support channel, effectively answering follow-up questions and clarifying student concepts.
- Exceeded expectations consistently, achieving a 95% customer rating through my dedication to excellent service.

## Technical Skills

**Languages/Programming:** C, C++, JavaScript, SQL, Data Structures and algorithms, OOPS, HTML/CSS

**Frameworks/Technologies:** React.js, Redux, Next.js, Node.js, Express.js Spring Boot, Mongo, PostgreSQL

**Developer Tools:** VS code, IntelliJ idea, MySQL Workbench, Git, Linux, Google Cloud Platform, Amazon Web Services